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PTO/SB/97 (08-04)

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Mail Stop Appeal Brief - Patents

Serial No.: 10/523,210

Docket No.: PD020075

Art Unit: 2142

Examiner: Jason D. Recek

Fee Transmittal and Appeal Brief.

Facsimile No. (571) 273-8300

Total No. of Pages: 15

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FEE TRANSMITTAL for FY 2007

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 510.00

Complete If Known

Application Number	10/523,210	RECEIVED CENTRAL FAX CENTER SEP 11 2008
Filing Date	January 27, 2005	
First Named Inventor	ULRICH GRIES	
Examiner Name	Jason D. Recek	
Art Unit	2142	
Attorney Docket No.	PD020075	

METHOD OF PAYMENT (check all that apply) CUSTOMER NUMBER 24498

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FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	—
Design	200	100	100	50	130	65	—
Plant	200	100	300	150	160	80	—
Reissue	300	150	500	250	600	300	—
Provisional	200	100	0	0	0	0	—

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues)
 Each independent claim over 3 (including Reissues)
 Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Small Entity Fee (\$)	Small Entity Fee Paid (\$)
— -20 or HP=	x	=	—	50	25
HP = highest number of total claims paid for, if greater than 20.				200	100
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	360	180
— -3 or HP=	x	=	—	Multiple Dependent Claims	
HP = highest number of independent claims paid for, if greater than 3.				Fee (\$)	Fee Paid (\$)

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
— - 100 =	/ 50 =	(round up to a whole number) x	=	—

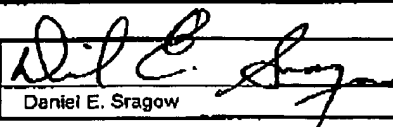
4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Appeal Brief - Fee

Fees Paid (\$)

\$510.00**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent)	22,656	Telephone	609-734-6932
Name (Print/Type)	Daniel E. Sragow			Date	9-11-2008

This collection of information is required by 37 CFR 1.135. The information is required to obtain or retain a benefit by the public which is to be (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patents and Trademark Office, U.S. Department of Commerce, P.O. Box 1480, Alexandria, VA 22313-1480. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1480, Alexandria, VA 22313-1480. If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-736-9199) and select option 2.

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APPEAL BRIEF dated September 11, 2008

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PATENT
Docket No. PD020075
Customer No. 24498**BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES**

Appellants : Ulrich Gries
Serial No. : 10/523,210
Filed : January 27, 2005
Title : **METHOD AND DEVICE FOR PERFORMING
COMMUNICATION ON A BUS STRUCTURED NETWORK**
Art Unit : 2142
Examiner : Jason D. Recek

APPEAL BRIEF

**Mail Stop Appeal Brief - Patents
Commissioner for Patents
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May It Please the Honorable Board:

This is Appellant's Brief on Appeal from the final rejection of Claims 1, 3 to 8, 10 and 11. Please charge the fee for filing this Brief to Deposit Account No. 07-0832. The Appellant waives an Oral Hearing for this appeal. The Appellant waives oral hearing. Please charge any additional fee or credit over payment to the above indicated Deposit Account. Enclosed is a single copy of this Brief.

CERTIFICATE OF TRANSMISSION

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Jill S. Garretson

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I. Real Party in Interest

The real party in interest of Application Serial No. 10/523,210 is the Assignee of record:

Thomson Licensing S.A.
46 Quai A. leGallo
F-92100 Boulogne-Billancourt
France

II. Related Appeals and Interferences

There are currently, and have been, no related Appeals or Interferences regarding Application Serial No. 10/523,210 known to the undersigned attorney.

III. Status of Claims

Claims 1, 3 to 8, 10 and 11 have been rejected. The rejection of Claims 1, 3 to 8, 10 and 11 is appealed. Claims 2 and 9 have been cancelled.

IV. Status of Amendments

All amendments have been entered and are reflected in the claims included in Appendix I.

V. Summary of Claimed Subject Matter

Independent Claim 1 recites a method for performing communication on a bus structured network between a first device (AV1) and a plurality of second devices (AV2, LS1 to LS3, page 9, lines 3-5), comprising:

issuing a first control communication from said first device to a first at least one of said plurality of second devices by means of an asynchronous data communication (page 10, lines 21-24);

issuing real-time data communication from said first device to said first at least one of said plurality of second devices by means of an isochronous data communication (page 13, line 33 to page 14, line 3);

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issuing a second control communication from said first device to said first at least one of said plurality of second devices, said second control communication being included in said isochronous data communication (page 14, lines 1-2) and comprising a first control command (page 14, line 2) to said first at least one of said plurality of second devices for controlling a functionality (volume) having an effect directly recognizable by a user if said first control command is not timely executed in said first at least one second device (page 14, lines 6-9).

Independent Claim 7 recites a network station for performing communication on a bus structured network between a first device and a plurality of second devices, said communication comprising issuing a first control communication from said first device to a first at least one of said plurality of second devices by means of an asynchronous data communication (page 11, lines 24-26), issuing real-time data communication from said first device to said first at least one of said plurality of second devices by means of an isochronous data communication, issuing a second control communication from said first device to said first at least one of said plurality of second devices, said second control communication being included in said isochronous data communication and comprising a first control command to said first at least one of said plurality of second devices for controlling a functionality having an effect directly recognizable by a user if said first control command is not timely executed in said first at least one second device (page 12, lines 21-26), said network station including:

- an interface to the network (page 9, lines 5-8);

- means for performing said asynchronous data communication (page 9, lines 18-19);

- means for performing said isochronous data communication (page 9, lines 19-20); and

- means for using said isochronous data communication to communicate said second control communication (page 9, lines 30-33).

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VI. Ground of Rejection to be Reviewed on Appeal

The Examiner has rejected Claims 1, 4, 6 to 8 and 11 as anticipated under 35 USC 102(e) by US Patent Publication 2002/0026540 to Smyers.

The Examiner has rejected Claims 3 and 10 as unpatentable under 35 USC 103(a) over Smyers in view of US Patent 6,404,533 to Fergusson.

The Examiner has rejected Claim 5 as unpatentable under 35 USC 103(a) over Smyers in view of US patent 5,434,860 to Riddle.

VII. Argument

This invention relates to a method for performing communication on a bus structured network, and to a network station for performing communication on a bus structured network. The Appellant submits that the prior art which has been cited by the Examiner does not affect the patentability of the instant Claims.

Claim 1 has been rejected as anticipated under 35 USC 102(a) by Smyers. However nowhere does Smyers show or suggest:

"issuing real-time data communication from said first device to said first at least one of said plurality of second devices by means of an isochronous data communication;

issuing a second control communication from said first device to said first at least one of said plurality of second devices, said second control communication being included in said isochronous data communication",

as specifically recited in Claim 1. Although Smyers uses an isochronous data communication, nowhere does Smyers show or suggest that a second control communication is included in the isochronous data communication. Rather, Smyers specifically states that the stream of data is transmitted on a data isochronous channel, and that the control communications include a real-time component transmitted on a control isochronous channel. See page 3, lines 21 to 24. It is therefore clear that because Smyers transmits data on one channel, and transmits control communications

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on a different channel, Smyers does *not* issue a second control communication included in the isochronous data communication which carries the data. It is therefore clear that Smyers does not affect the patentability of Claim 1.

Similarly, nowhere does Smyers show or suggest:

"issuing real-time data communication from said first device to said first at least one of said plurality of second devices by means of an isochronous data communication, issuing a second control communication from said first device to said first at least one of said plurality of second devices, said second control communication being included in said isochronous data communication",

as specifically recited in Claim 7. Nowhere does Smyers show or suggest that a second control communication is included in the isochronous data communication. Rather, Smyers specifically states that the stream of data is transmitted on a data isochronous channel, and that the control communications include a real-time component transmitted on a control isochronous channel. See page 3, lines 21 to 24. It is therefore clear that because Smyers transmits data on one channel, and transmits control communications on a different channel, Smyers does not issue a second control communication included in the isochronous data communication which carries the data. It is therefore clear that Smyers does not affect the patentability of Claim 7.

It is therefore clear that the rejection of Claims 1 and 7 under 35 USC 102 as anticipated by Smyers is error.

The Examiner has applied Smyers and Fergusson in rejecting Claims 3 and 10 under 35 USC 103(a). Smyers has been discussed above. Ferguson relates to an optical fiber network driven by electronic circuits where each of the optical transmitters provides a light output, and the outputs are optically combined. The outputs are filtered by filters having different levels of opaqueness in order to separate the respective signals, or the optical transmitters each have a different level of semiconductor diffusion, causing the light from the plurality of transmitters to differ. See column 2, lines 38 to 52. Nowhere does Fergusson show or suggest:

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"issuing real-time data communication from said first device to said first at least one of said plurality of second devices by means of an isochronous data communication;

issuing a second control communication from said first device to said first at least one of said plurality of second devices, said second control communication being included in said isochronous data communication",

as specifically recited in Claim 1. Furthermore, nowhere does Fergusson show or suggest:

"issuing real-time data communication from said first device to said first at least one of said plurality of second devices by means of an isochronous data communication, issuing a second control communication from said first device to said first at least one of said plurality of second devices, said second control communication being included in said isochronous data communication",

as specifically recited in Claim 7. It is therefore clear that even if the subject matter of Smyers and Fergusson were to be combined, the patentability of Claims 1 and 7 would not be affected.

The Examiner has applied Smyers and Riddle to Claim 5. Riddle relates to flow controls for data streams using a single isochronous data stream connection. Nowhere does Riddle show or suggest:

"issuing real-time data communication from said first device to said first at least one of said plurality of second devices by means of an isochronous data communication;

Issuing a second control communication from said first device to said first at least one of said plurality of second devices, said second control communication being included in said isochronous data communication",

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as specifically recited in Claim 1. Furthermore nowhere does Riddle show or suggest:

"issuing real-time data communication from said first device to said first at least one of said plurality of second devices by means of an isochronous data communication, issuing a second control communication from said first device to said first at least one of said plurality of second devices, said second control communication being included in said isochronous data communication",

as specifically recited in Claim 7. It is therefore clear that even if the subject matter of Smyers was to be combined with the subject matter of Riddle, the patentability of Claims 1 and 7 would not be affected.

It is therefore clear that none of the cited references, taken either singly or in combination, affects the patentability of Claims 1 and 7.

Claim 3 to 6 are dependent from Claim 1 and add further advantageous features. The Appellant submits that these subclaims are patentable as their parent Claim 1.

Similarly, Claims 8, 10 and 11 are dependent from Claim 7, and add further advantageous features. The Appellant submits that these subclaims are patentable as their parent Claim 7.

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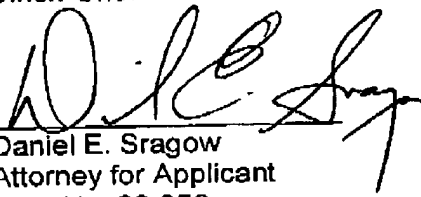
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VIII. CONCLUSION

The appellant therefore submits that the Examiner's rejection is error, and that the rejection of Claims 1, 3 to 8, 10 and 11 should be reversed.

Respectfully submitted,
Ulrich Gries

By 
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Patent Operations
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APPENDIX I - APPEALED CLAIMS

1. A method for performing communication on a bus structured network between a first device and a plurality of second devices, comprising:

issuing a first control communication from said first device to a first at least one of said plurality of second devices by means of an asynchronous data communication;

issuing real-time data communication from said first device to said first at least one of said plurality of second devices by means of an isochronous data communication;

issuing a second control communication from said first device to said first at least one of said plurality of second devices, said second control communication being included in said isochronous data communication and comprising a first control command to said first at least one of said plurality of second devices for controlling a functionality having an effect directly recognizable by a user if said first control command is not timely executed in said first at least one second device.

2. (cancelled)

3. The method according to claim 1, wherein said first control command is configured to control one of an audible parameter for at least one loudspeaker and a visible parameter for at least one display.

4. The method according to claim 1, wherein said first control command is sent in a repeated manner.

5. The method according to claim 1, further comprising detecting a disturbance on the communication network, determining a degree of said disturbance, and reducing a use of said isochronous data communication for said second control communication if said degree of disturbance exceeds a predetermined level.

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6. The method according to claim 1, wherein said first control communication to said first at least one second device includes a second control command, said first at least one second device communicating said second control command to a second at least one of said plurality of second devices by means of isochronous data communication from said first at least one second device to said second at least one second device.

7. A network station for performing communication on a bus structured network between a first device and a plurality of second devices, said communication comprising issuing a first control communication from said first device to a first at least one of said plurality of second devices by means of an asynchronous data communication, issuing real-time data communication from said first device to said first at least one of said plurality of second devices by means of an isochronous data communication, issuing a second control communication from said first device to said first at least one of said plurality of second devices, said second control communication being included in said isochronous data communication and comprising a first control command to said first at least one of said plurality of second devices for controlling a functionality having an effect directly recognizable by a user if said first control command is not timely executed in said first at least one second device, said network station including:

- an interface to the network;
- means for performing said asynchronous data communication;
- means for performing said isochronous data communication; and
- means for using said isochronous data communication to communicate said second control communication.

8. The network station according to claim 7, wherein said communication means include at least one of means for transmitting said first control command onto an isochronous channel and means for receiving said first control command from an isochronous channel.

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9. (cancelled)

10. The network station according to claim 7, wherein said first control command is configured to control one of an audible parameter for a number of loudspeakers and a visible parameter for controlling a number of displays.

11. The network station according to claim 7, wherein the network interface is an IEEE-1394-network interface.

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APPENDIX II EVIDENCE

None

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APPENDIX III RELATED PROCEEDINGS

None